

ANNALS OF EPIDEMIOLOGY

VOLUME 1, NUMBER 1
OCTOBER 1990

CONTENTS

ORIGINAL REPORTS

- 1 **Validation of Reported Myocardial Infarction Mortality in Blacks and Whites: A Report from the Community Cardiovascular Surveillance Program**
Marshall H. Lee, MD, Nemat O. Borhani, MD, MPH, and Lewis H. Kuller, MD, DrPH
- 13 **Risk Factors for Basal Cell Carcinoma in a Prospective Cohort of Women**
David J. Hunter, MBBS, ScD, Graham A. Colditz, MBS, DrPH, Meir J. Stampfer, MD, DrPH, Bernard Rosner, PhD, Walter C. Willett, MD, DrPH, and Frank E. Speizer, MD
- 25 **Smoking, Pulmonary Function, and Mortality**
J. David Curb, MD, MPH, Ellen Bloom Marcus, MD, Dwayne M. Reed, MD, PhD, Charles MacLean, PhD, and Katsuhiko Yano, MD
- 33 **Body Fat Distribution, Blood Pressure, and Hypertension: A Prospective Cohort Study of Men in the Normative Aging Study**
Patricia A. Cassano, MPH, PhD, Mark R. Segal, PhD, Pantel S. Vokonas, MD, and Scott T. Weiss, MPH, MD
- 49 **Methodologic Issues in the Study of Frequent and Recurrent Health Problems: Falls in the Elderly**
Robert G. Cummings, MBS, MPH, Jennifer L. Kelsey, PhD, and Michael C. Nevitt, PhD
- 57 **A Comparison of Two Automated Monitors in the Measurement of Blood Pressure Reactivity**
Bernard A. Rosner, PhD, Lawrence J. Appel, MD, James M. Raczynski, PhD, Patricia R. Hebert, PhD, Paul K. Whelton, MD, MPH, Joseph K. Murphy, PhD, Stephen T. Miller, MD, and Albert Oberman, MD, for the Trials of Hypertension Prevention Collaborative Research Group

REVIEW

- 71 **Viruses and Cancer: Causal Associations**
Alfred S. Evans, MD, MPH, and Nancy E. Mueller, ScD

IN MEMORIAM

- 93 **Edward H. Kass, 1917-1990**

EDITORIALS

- 95 **The Expanding Territory of Epidemiology**
Charles H. Hennekens, MD, and Julie E. Buring, DSC

(continued)

97 Racial Differences in Coronary Heart Disease Incidence and Mortality: Methodologic Mythology?

JoAnn E. Manson, MD, DrPH, and Paul M. Ridker, MD

AMERICAN COLLEGE OF EPIDEMIOLOGY

101 The Annals and the College

Raymond S. Greenberg, MD, PhD

VOLUME 1, NUMBER 2
DECEMBER 1990

**Selected Proceedings from the Eighth Annual Scientific Meeting
of the American College of Epidemiology***

Guest Editor: Sylvan B. Green, MD

EDITORIAL

103 The 1989 Meeting of the American College of Epidemiology

Sylvan B. Green, MD

AIDS

105 Uncertainty in Estimates of HIV Prevalence Derived by Backcalculation

Philip S. Rosenberg, PhD, and Mitchell H. Gail, MD, PhD

117 Estimating of Infectivity of HIV from Partner Studies

Mimi Y. Kim, ScD, and Stephen W. Lagakos, PhD

129 Prognostic Markers for AIDS

James J. Goedert, MD

141 How Can Epidemiology Assist in Guiding Interventions for the Acquired Immunodeficiency Syndrome/Human Immunodeficiency Virus?

Sten H. Vermund, MD, PhD, and Daniel F. Hoth, MD

ALCOHOL

157 Enhancing the Utility of Quantity-Frequency Measures of Alcohol Consumption with Assessments of Problem Drinking in a Population Study: A Methodologic Note

Robert B. Wallace, MD, and Patricia L. Colsher, PhD

167 A Prospective Assessment of Moderate Alcohol Intake and Major Chronic Diseases

Graham A. Colditz, MD

179 Alcohol and Pregnancy: An Epidemiologic Perspective

Dwight T. Janerich, DDS, MPH, and Susan Taylor Mayne, PhD

(continued)

INTERNATIONAL EPIDEMIOLOGY

- 187 Reproductive Epidemiologic Research in Developing Countries**
Judith A. Fortney, PhD
- 195 Cancer Prevention Trials in China and Finland**
Philip R. Taylor, MD, ScD, Sanford Dawsey, MD, and Demetrius Albanes, MD
- 205 Major Advances in International Pharmacoepidemiology**
Hugh H. Tilson, MD, DrPH

AMERICAN COLLEGE OF EPIDEMIOLOGY

- 213 The Future of Epidemiology**
Raymond S. Greenberg, MD, PhD

VOLUME 1, NUMBER 3
FEBRUARY 1991

-
- 215 Longitudinal Application of Cognitive Function Measures in a Defined Population of Community-Dwelling Elders**
Patricia L. Colsher, PhD, and Robert B. Wallace, MD
- 231 Are Insulin and Hypertension Independently Related?**
Steven Asch, MD, Deborah L. Wingard, PhD, and Elizabeth L. Barrett-Connor, MD
- 245 Body Composition, Age and Femoral Bone Mass of Young Adult Women**
MaryFran Sowers, PhD, Anant Kshirsagar, PhD, Mary Crutchfield, and Sharon Updike
- 255 A Comparison of Efficacy of the Key Informant and Community Survey Methods in the Identification of Childhood Disability in Jamaica**
Marigold Julia Thorburn, MD, FRCPath, Patricia Desai, BA, DipEd, Maureen Durkin, PhD, DrPh
- 263 The Cardiovascular Health Study: Design and Rationale**
Linda P. Fried, MD, MPH, Nemat O. Borhani, MD, MPH, Paul Enright, MD, Curt D. Furberg, MD, Julius M. Gardin, MD, Richard A. Kronmal, PhD, Lewis H. Kuller, MD, DrPH, Teri A. Manolio, MD, MHS, Maurice B. Mittelmark, PhD, Anne Newman, MD, Daniel H. O'Leary, MD, Bruce Psaty, MD, PhD, Pentti Rautaharju, MD, PhD, Russell P. Tracy, PhD, and Philip G. Weiler, MD, MPH for the Cardiovascular Health Study Research Group (CHS).
- 277 Confidence Intervals for Seroprevalence Determined from Pooled Sera**
Walter W. Hauck, PhD

EDITORIAL

- 283 Why Should We Study Change in Cognitive Function?**
Denis A. Evans, M.D.

(continued)

**PROCEEDINGS OF THE WORKSHOP ON OBESITY AND BLOOD PRESSURE
Sponsored by the American Heart Association Councils on Epidemiology
and High Blood Pressure Research**

Guest Editors: Theodore A. Kotchen, MD, Russell V. Leupker, MD,
Milton Z. Nichaman, MD, PhD

285 Introduction: Workshop on Obesity and Blood Pressure

Patricia J. Elmer, PhD, Theodore A. Kotchen, MD, Russell V. Leupker, MD, and
Milton Z. Nichaman, MD, PhD

MECHANISMS

287 Obesity and Hypertension: Hemodynamic Aspects

Edward D. Frolich, MD

295 Obesity, Blood Pressure, and the Sympathetic Nervous System

Lewis Landsberg, MD, Rebecca Troisi, MA, Donna Parker, ScD, James B. Young, MD,
and Scott T. Weiss, MD, MS

**305 Abnormalities of Carbohydrate and Lipoprotein Metabolism in Patients
with Hypertension: Relationship to Obesity**

Gerald M. Reaven, MD

MEASUREMENTS

**313 Measures of Body Composition: Their Relationship to Blood Pressure
and Use in Epidemiologic Research**

Alex F. Roche, MD, PhD, ScD, FRACP and Roger M. Siervogel, PhD

321 Measurement of Blood Pressure in the Obese

Ronald J. Prineas, MB, PhD

BLOOD PRESSURE AND OBESITY—EPIDEMIOLOGY

**337 Blood Pressure and Obesity in Childhood and Adolescence:
Epidemiologic Aspects**

Darwin R. Labarthe, MD, PhD, William H. Mueller, PhD, and Mona Eissa, MD, MPH

347 Epidemiologic Findings on Body Mass and Blood Pressure in Adults

Jeremiah Stamler, MD

WEIGHT CHANGE AND BLOOD PRESSURE—CLINICAL TRIALS

**363 Randomized Clinical Trials of Weight Reduction in
Nonhypertensive Persons**

Jeffrey A. Cutler, MD, MPH

371 Treatment of Obesity-Associated Hypertension

Harriet P. Dustan, MD, and Roland L. Weinsier, MD, DrPH

(continued)

AMERICAN COLLEGE OF EPIDEMIOLOGY

- 381 **International Course in Epidemiology and Medical Research Methodology**
Author, MD, PhD

VOLUME 1, NUMBER 5
AUGUST 1991

ORIGINAL REPORTS

- 385 **Selenium, Retinol, Retinol-Binding Protein, and Uric Acid: Associations With Cancer Mortality in a Population-Based Prospective Case-Control Study**
Michael H. Criqui, MD, MPH, Shrikant Bangdiwala, PhD, Dewitt S. Goodman, MD, William S. Blaner, PhD, J. Steven Morris, PhD, Steve Kritchevsky, PhD, Kenneth Lippel, PhD, Irma Mebane, PhD, and H. A. Tyroler, MD
- 395 **Issues in the Early Termination of the Aspirin Component of the Physicians' Health Study**
Data Monitoring Board of the Physicians' Health Study: John Cairns, MD, Lawrence Cohen, MD, Theodore Colton, ScD, David L. DeMets, PhD, Daniel Deykin, MD, Lawrence Friedman, MD, Peter Greenwald, MD, George B. Hutchison, MD, and Bernard Rosner, PhD
- 407 **PCBs, DDE, and Child Development at 18 and 24 Months**
Walter J. Rogan, MD, and Beth C. Gladen, PhD
- 415 **High Prevalence of Angina Pectoris in Mexican-American Men: A Population With Reduced Risk of Myocardial Infarction**
Braxton D. Mitchell, MPH, PhD, Helen P. Hazuda, PhD, Steven M. Haffner, MD, MPH, Judith K. Patterson, PhD, and Michael P. Stern, MD
- 427 **Diet and the Risk of Vulvar Cancer**
Susan R. Sturgeon, MPH, Regina G. Ziegler, PhD, Louise A. Brinton, PhD, Philip C. Nasca, PhD, Katherine Mallin, PhD, and Gloria Gridley, MS
- 439 **An Investigation of Recall Bias in the Reporting of Past Food Intake Among Breast Cancer Cases and Controls**
Christine M. Friedenreich, PhD, Geoffrey R. Howe, PhD, and Anthony B. Miller, MB, FRCP
- 455 **Trials of Hypertension Prevention: Phase I Design**
Suzanne Satterfield, MD, Jeffrey A. Cutler, MD, Herbert G. Langford, MD, William B. Applegate, MD, Nemat O. Borhani, MD, Erica Brittain, PhD, Jerome D. Cohen, MD, Lewis H. Kuller, MD, Norman L. Lasser, MD, Albert Oberman, MD, Bernard Rosner, PhD, James O. Taylor, MD, Thomas M. Vogt, MD, W. Gordon Walker, MD, and Paul K. Whelton, MD, for the Trials of Hypertension Prevention Collaborative Research Group

EDITORIAL

- 473 **Selenium, Retinol, Retinol-Binding Protein, and Uric Acid: From Epidemiology to Clinical Prevention Trials**
Peter Greenwald, MD, DrPH

(continued)

477 LETTERS TO THE EDITORS

481 AMERICAN COLLEGE OF EPIDEMIOLOGY

485 ANNOUNCEMENTS

VOLUME 1, NUMBER 6
NOVEMBER 1991

ORIGINAL REPORTS

- 487 **Weight Change and Change of Total Cholesterol and High-Density-Lipoprotein Cholesterol: Results of the MONICA Augsburg Cohort Study**
Ernst Eberle, MD, Angela Doering, MD, and Ulrich Keil, MD, PhD
- 493 **Mortality From Ischemic Heart Disease in Iceland, 1951-1985**
Vilhjálmur Rafnsson, MD
- 505 **Posttraumatic Stress Disorder Among Vietnam Veterans on the Agent Orange Registry: A Case-Control Analysis**
Tim A. Bullman, MA, Han K. Kang, DrPH, and Terry L. Thomas, PhD
- 513 **Steroid Receptor Status and the Epidemiology of Breast Cancer**
Nancy Kreiger, PhD, Will D. King, MSc, Lynn Rosenberg, ScD, E. Aileen Clarke, MSc, Julie R. Palmer, ScD, and Samuel Shapiro, MD, FRCP(E)
- 525 **Peripheral Leukocyte Count and Pulmonary Function in a National Sample of Women and Men**
Richard F. Gillum, MD
- 533 **A Registry-Based Case-Control Study of Mycosis Fungoides**
Martin A. Weinstock, MD, PhD
- 541 **The Descriptive Epidemiology of Hysterectomy, Province of Quebec, 1981-1988**
Pierre Allard, MD, PhD, and Louise Rochette, BA
- 551 **A Mathematic Analysis of the "Epidemiologic Necropsy"**
Sander Greenland, DrPH

COMMENTARY

- 559 **Screening for Hypercholesterolemia in Children: The Missing Links**
Matthew W. Gillman, MD, SM, and Carole M. Lannon, MD

EDITORIALS

- 567 **International Studies of Cardiovascular Disease**
Millicent Higgins, MD
- 571 **Why Screen Children for Serum Cholesterol Levels?**
Richard M. Schieken, MD

(continued)

575	LETTERS TO THE EDITORS
577	AMERICAN COLLEGE OF EPIDEMIOLOGY
579	AUTHOR INDEX
583	SUBJECT INDEX
589	VOLUME CONTENTS